

CHEMISTRY



BEVERLEY JOINT SIXTH



CHEMISTRY 2012

Students hoping to study 'AS' or 'A2' level Chemistry must have a genuine interest in the subject and be willing to work hard. They should have demonstrated a good level of attainment and commitment to science. We recommend students to have at least a grade B or above at GCSE level. The syllabus assumes that students have achieved a good grade in GCSE Mathematics.

Our objective is to ensure that learning is enjoyable, and enhances a student's enthusiasm for Chemistry. The new specification, which has been adopted in September 2008, has been tailored to follow on from Additional Science at GCSE, and will develop a student's knowledge and understanding to provide a pathway to further study.

The 'AS' course in Chemistry is designed to provide an appropriate assessment of knowledge, understanding and skills expected of students who have completed the first half of a full 'A' level qualification.

Two units of Chemistry will be studied and examined in Year 12, covering concepts on atomic structure, the mole, the Periodic Table, kinetics, equilibria and organic chemistry. A third unit will be school based assessed coursework which accounts for 20% of the overall 'AS' mark.

Students will only be able to enter the 'A2' level course if they have successfully completed the 'AS' course in Year 12.

A further two units are studied and examined in Year 13, building and expanding on the fundamental concepts studied in Year 12.

The modules will include such topics as kinetics, equilibria, energetics, redox reactions and further inorganic and organic chemistry. The third unit will again be centre-assessed coursework.

Students who successfully complete the 'AS' and A2' course will be awarded an 'A' level qualification in Chemistry.

Career Opportunities: Chemistry is fundamental to most scientific careers. With a qualification in Chemistry you could go on to Higher Education to study such subjects as Medicine, Dentistry, Veterinary Science, Law, Chemical Engineering, Material Sciences, Agriculture.